

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10593,958
Source: IFWP
Date Processed by STIC: 10/3/06

ENTERED



IFWP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006
 TIME: 08:58:00

Input Set : A:\Sequence.txt
 Output Set: N:\CRF4\10032006\J593958.raw

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3 <110> APPLICANT: BORGFORD, Thor
4     BRAUN, Curtis
5     PURAC, Admir
6     STOLL, Dominik
8 <120> TITLE OF INVENTION: GLYCOSYLATION VARIANTS OF RICIN-LIKE PROTEINS
10 <130> FILE REFERENCE: 10447-50
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/593,958
C--> 13 <141> CURRENT FILING DATE: 2006-09-22
15 <150> PRIOR APPLICATION NUMBER: US 60/555,678
16 <151> PRIOR FILING DATE: 2004-03-24
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn version 3.3
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24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: TST10088 Protein Sequence
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37           20           25           30
40 Arg Gly Arg Leu Thr Thr Gly Ala Asp Val Arg His Glu Ile Pro Val
41           35           40           45
44 Leu Pro Asn Arg Val Gly Leu Pro Ile Asn Gln Arg Phe Ile Leu Val
45           50           55           60
48 Glu Leu Ser Asn His Ala Glu Leu Ser Val Thr Leu Ala Leu Asp Val
49 65           70           75           80
52 Thr Asn Ala Tyr Val Val Gly Tyr Arg Ala Gly Asn Ser Ala Tyr Phe
53           85           90           95
56 Phe His Pro Asp Asn Gln Glu Asp Ala Glu Ala Ile Thr His Leu Phe
57           100          105          110
60 Thr Asp Val Gln Asn Arg Tyr Thr Phe Ala Phe Gly Gly Asn Tyr Asp
61           115          120          125
64 Arg Leu Glu Gln Leu Ala Gly Asn Leu Arg Glu Asn Ile Glu Leu Gly
65           130          135          140
68 Asn Gly Pro Leu Glu Glu Ala Ile Ser Ala Leu Tyr Tyr Tyr Ser Thr
69 145          150          155          160
72 Gly Gly Thr Gln Leu Pro Thr Leu Ala Arg Ser Phe Ile Ile Cys Ile
73           165          170          175
76 Gln Met Ile Ser Glu Ala Ala Arg Phe Gln Tyr Ile Glu Gly Glu Met
77           180          185          190

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80 Arg Thr Arg Ile Arg Tyr Asn Arg Arg Ser Ala Pro Asp Pro Ser Val
81      195      200      205
84 Ile Thr Leu Glu Asn Ser Trp Gly Arg Leu Ser Thr Ala Ile Gln Glu
85      210      215      220
88 Ser Asn Gln Gly Ala Phe Ala Ser Pro Ile Gln Leu Gln Arg Arg Asn
89 225      230      235      240
92 Gly Ser Lys Phe Ser Val Tyr Asp Val Ser Ile Leu Ile Pro Ile Ile
93      245      250      255
96 Ala Leu Met Val Tyr Arg Cys Ser Pro Gln Gly Ile Ala Gly Gln Cys
97      260      265      270
100 Met Asp Pro Glu Pro Ile Val Arg Ile Val Gly Arg Asn Gly Leu Cys
101      275      280      285
104 Val Asp Val Arg Asp Gly Arg Phe His Asn Gly Asn Ala Ile Gln Leu
105      290      295      300
108 Trp Pro Cys Lys Ser Asn Thr Asp Ala Asn Gln Leu Trp Thr Leu Lys
109 305      310      315      320
112 Arg Asp Asn Thr Ile Arg Ser Asn Gly Lys Cys Leu Thr Thr Tyr Gly
113      325      330      335
116 Tyr Ser Pro Gly Val Tyr Val Met Ile Tyr Asp Cys Asn Thr Ala Ala
117      340      345      350
120 Thr Asp Ala Thr Arg Trp Gln Ile Trp Asp Asn Gly Thr Ile Ile Asn
121      355      360      365
124 Pro Arg Ser Ser Leu Val Leu Ala Ala Thr Ser Gly Asn Ser Gly Thr
125      370      375      380
128 Thr Leu Thr Val Gln Thr Asn Ile Tyr Ala Val Ser Gln Gly Trp Leu
129 385      390      395      400
132 Pro Thr Gln Asn Thr Gln Pro Phe Val Thr Thr Ile Val Gly Leu Tyr
133      405      410      415
136 Gly Leu Cys Leu Gln Ala Asn Ser Gly Gln Val Trp Ile Glu Asp Cys
137      420      425      430
140 Ser Ser Glu Lys Ala Glu Gln Gln Trp Ala Leu Tyr Ala Asp Gly Ser
141      435      440      445
144 Ile Arg Pro Gln Gln Asn Arg Asp Asn Cys Leu Thr Ser Asp Ser Asn
145      450      455      460
148 Ile Arg Glu Thr Val Val Lys Ile Leu Ser Cys Gly Pro Ala Ser Ser
149 465      470      475      480
152 Gly Gln Arg Trp Met Phe Lys Asn Asp Gly Thr Ile Leu Asn Leu Tyr
153      485      490      495
156 Ser Gly Leu Val Leu Asp Val Arg Ala Ser Asp Pro Ser Leu Lys Gln
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164 Leu Phe
165      530
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170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:

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174 <223> OTHER INFORMATION: TST10092 Protein Sequence

176 <400> SEQUENCE: 2

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183          20          25          30
186 Arg Gly Arg Leu Thr Thr Gly Ala Asp Val Arg His Glu Ile Pro Val
187          35          40          45
190 Leu Pro Asn Arg Val Gly Leu Pro Ile Asn Gln Arg Phe Ile Leu Val
191          50          55          60
194 Glu Leu Ser Asn His Ala Glu Leu Ser Val Thr Leu Ala Leu Asp Val
195 65          70          75          80
198 Thr Asn Ala Tyr Val Val Gly Tyr Arg Ala Gly Asn Ser Ala Tyr Phe
199          85          90          95
202 Phe His Pro Asp Asn Gln Glu Asp Ala Glu Ala Ile Thr His Leu Phe
203          100         105         110
206 Thr Asp Val Gln Asn Arg Tyr Thr Phe Ala Phe Gly Gly Asn Tyr Asp
207          115         120         125
210 Arg Leu Glu Gln Leu Ala Gly Asn Leu Arg Glu Asn Ile Glu Leu Gly
211          130         135         140
214 Asn Gly Pro Leu Glu Glu Ala Ile Ser Ala Leu Tyr Tyr Tyr Ser Thr
215 145         150         155         160
218 Gly Gly Thr Gln Leu Pro Thr Leu Ala Arg Ser Phe Ile Ile Cys Ile
219          165         170         175
222 Gln Met Ile Ser Glu Ala Ala Arg Phe Gln Tyr Ile Glu Gly Glu Met
223          180         185         190
226 Arg Thr Arg Ile Arg Tyr Asn Arg Arg Ser Ala Pro Asp Pro Ser Val
227          195         200         205
230 Ile Thr Leu Glu Asn Ser Trp Gly Arg Leu Ser Thr Ala Ile Gln Glu
231          210         215         220
234 Ser Asn Gln Gly Ala Phe Ala Ser Pro Ile Gln Leu Gln Arg Arg Asn
235 225         230         235         240
238 Gly Ser Lys Phe Ser Val Tyr Asp Val Ser Ile Leu Ile Pro Ile Ile
239          245         250         255
242 Ala Leu Met Val Tyr Arg Cys Ser Pro Gln Gly Ile Ala Gly Gln Cys
243          260         265         270
246 Met Asp Pro Glu Pro Ile Val Arg Ile Val Gly Arg Asn Gly Leu Cys
247          275         280         285
250 Val Asp Val Arg Asp Gly Arg Phe His Asn Gly Asn Ala Ile Gln Leu
251          290         295         300
254 Trp Pro Cys Lys Ser Asn Thr Asp Ala Asn Gln Leu Trp Thr Leu Lys
255 305         310         315         320
258 Arg Asp Asn Thr Ile Arg Ser Asn Gly Lys Cys Leu Thr Thr Tyr Gly
259          325         330         335
262 Tyr Ser Pro Gly Val Tyr Val Met Ile Tyr Asp Cys Asn Thr Ala Ala
263          340         345         350
266 Thr Asp Ala Thr Arg Trp Gln Ile Trp Asp Asn Gly Thr Ile Ile Asn
267          355         360         365
270 Pro Arg Ser Ser Leu Val Leu Ala Ala Thr Ser Gly Asn Ser Gly Thr

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271      370      375      380
274 Thr Leu Thr Val Gln Thr Asn Ile Tyr Ala Val Ser Gln Gly Trp Leu
275 385      390      395      400
278 Pro Thr Asn Asn Thr Gln Pro Phe Val Thr Thr Ile Val Gly Leu Tyr
279      405      410      415
282 Gly Leu Cys Leu Gln Ala Asn Ser Gly Gln Val Trp Ile Glu Asp Cys
283      420      425      430
286 Ser Ser Glu Lys Ala Glu Gln Gln Trp Ala Leu Tyr Ala Asp Gly Ser
287      435      440      445
290 Ile Arg Pro Gln Gln Asn Arg Asp Asn Cys Leu Thr Ser Asp Ser Asn
291      450      455      460
294 Ile Arg Glu Thr Val Val Lys Ile Leu Ser Cys Gly Pro Ala Ser Ser
295 465      470      475      480
298 Gly Gln Arg Trp Met Phe Lys Asn Asp Gly Thr Ile Leu Asn Leu Tyr
299      485      490      495
302 Ser Gly Leu Val Leu Asp Val Arg Ala Ser Asp Pro Ser Leu Lys Gln
303      500      505      510
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311      530
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329      20      25      30
332 Arg Gly Arg Leu Thr Thr Gly Ala Asp Val Arg His Glu Ile Pro Val
333      35      40      45
336 Leu Pro Asn Arg Val Gly Leu Pro Ile Asn Gln Arg Phe Ile Leu Val
337      50      55      60
340 Glu Leu Ser Asn His Ala Glu Leu Ser Val Thr Leu Ala Leu Asp Val
341 65      70      75      80
344 Thr Asn Ala Tyr Val Val Gly Tyr Arg Ala Gly Asn Ser Ala Tyr Phe
345      85      90      95
348 Phe His Pro Asp Asn Gln Glu Asp Ala Glu Ala Ile Thr His Leu Phe
349      100     105     110
352 Thr Asp Val Gln Asn Arg Tyr Thr Phe Ala Phe Gly Gly Asn Tyr Asp
353      115     120     125
356 Arg Leu Glu Gln Leu Ala Gly Asn Leu Arg Glu Asn Ile Glu Leu Gly
357      130     135     140
360 Asn Gly Pro Leu Glu Glu Ala Ile Ser Ala Leu Tyr Tyr Tyr Ser Thr
361 145     150     155     160
364 Gly Gly Thr Gln Leu Pro Thr Leu Ala Arg Ser Phe Ile Ile Cys Ile

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Input Set : A:\Sequence.txt

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365          165          170          175
368 Gln Met Ile Ser Glu Ala Ala Arg Phe Gln Tyr Ile Glu Gly Glu Met
369          180          185          190
372 Arg Thr Arg Ile Arg Tyr Asn Arg Arg Ser Ala Pro Asp Pro Ser Val
373          195          200          205
376 Ile Thr Leu Glu Asn Ser Trp Gly Arg Leu Ser Thr Ala Ile Gln Glu
377          210          215          220
380 Ser Asn Gln Gly Ala Phe Ala Ser Pro Ile Gln Leu Gln Arg Arg Asn
381 225          230          235          240
384 Gly Ser Lys Phe Ser Val Tyr Asp Val Ser Ile Leu Ile Pro Ile Ile
385          245          250          255
388 Ala Leu Met Val Tyr Arg Cys Gly Ser Pro Gln Gly Ile Ala Gly Gln
389          260          265          270
392 Cys Met Asp Pro Glu Pro Ile Val Arg Ile Val Gly Arg Asn Gly Leu
393          275          280          285
396 Cys Val Asp Val Arg Asp Gly Arg Phe His Asn Gly Asn Ala Ile Gln
397          290          295          300
400 Leu Trp Pro Cys Lys Ser Asn Thr Asp Ala Asn Gln Leu Trp Thr Leu
401 305          310          315          320
404 Lys Arg Asp Asn Thr Ile Arg Ser Asn Gly Lys Cys Leu Thr Thr Tyr
405          325          330          335
408 Gly Tyr Ser Pro Gly Val Tyr Val Met Ile Tyr Asp Cys Asn Thr Ala
409          340          345          350
412 Ala Thr Asp Ala Thr Arg Trp Gln Ile Trp Asp Asn Gly Thr Ile Ile
413          355          360          365
416 Asn Pro Arg Ser Ser Leu Val Leu Ala Ala Thr Ser Gly Asn Ser Gly
417          370          375          380
420 Thr Thr Leu Thr Val Gln Thr Asn Ile Tyr Ala Val Ser Gln Gly Trp
421 385          390          395          400
424 Leu Pro Thr Gln Asn Thr Gln Pro Phe Val Thr Thr Ile Val Gly Leu
425          405          410          415
428 Tyr Gly Leu Cys Leu Gln Ala Asn Ser Gly Gln Val Trp Ile Glu Asp
429          420          425          430
432 Cys Ser Ser Glu Lys Ala Glu Gln Gln Trp Ala Leu Tyr Ala Asp Gly
433          435          440          445
436 Ser Ile Arg Pro Gln Gln Asn Arg Asp Asn Cys Leu Thr Ser Asp Ser
437          450          455          460
440 Asn Ile Arg Glu Thr Val Val Lys Ile Leu Ser Cys Gly Pro Ala Ser
441 465          470          475          480
444 Ser Gly Gln Arg Trp Met Phe Lys Asn Asp Gly Thr Ile Leu Asn Leu
445          485          490          495
448 Tyr Ser Gly Leu Val Leu Asp Val Arg Ala Ser Asp Pro Ser Leu Lys
449          500          505          510
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456 Pro Leu Phe
457          530
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006

TIME: 08:58:01

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\10032006\J593958.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date